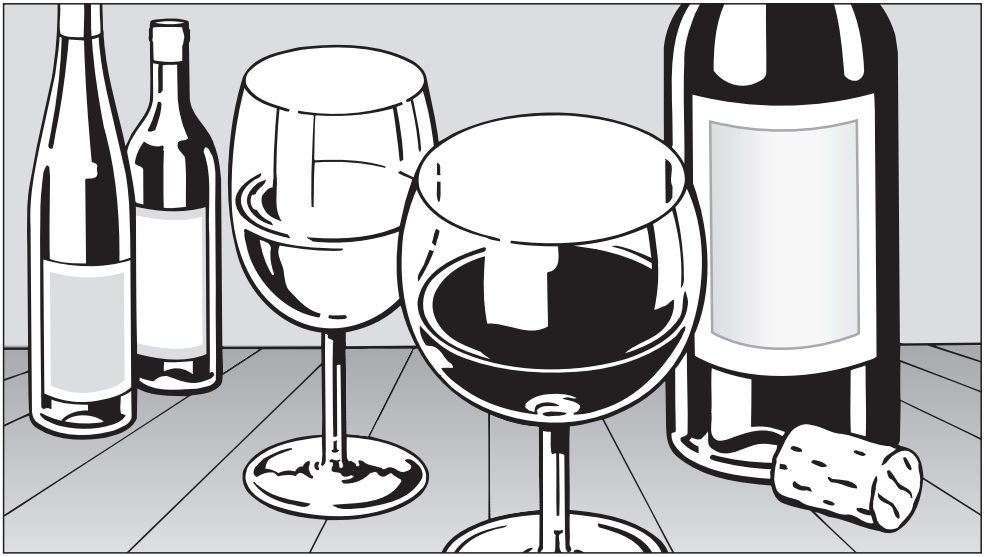
Miele

Operating and installation instructions



Wine storage unit
KWL 4712 S ed
KWL 4912 S ed

To avoid the risk of accidents or damage to the appliance, it is **essential** to read these instructions before it is installed and used for the first time.

GB

M.-Nr. 06 813 570

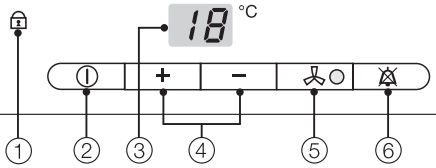
Contents

Description of the appliance 4
Miele@home 6
Optional accessory 6
Caring for the environment 7
Warning and Safety instructions 8
Switching on and off 11
Before using for the first time 11
Safety lock 11
Switching off for longer periods of time 12
The optimum temperature and humidity 13
Temperature 13
Safety features 13
Setting the temperature 13
Temperature range 14
Temperature display 14
Temperature display brightness 14
Humidity level 15
Constant humidity (Dynamic cooling) button 15
Air filtering with the active charcoal filter 16
Storing wine bottles 17
Wooden shelves 17
Descriptive labels 17
Maximum capacity 17
Door lock 17
Alarm 18
Temperature alarm 18
Door alarm 18
Activating the alarm system 18
Switching the alarm off early 18
Defrosting 19
Cleaning and care 20
Cleaning the outer casing, the interior and accessories 20
Ventilation gaps 21
Door seal 21
Metal grille at the back of the appliance 21
Active charcoal filter 21

Contents

Problem solving guide 22
Noises 24
How to save energy 25
After sales service 27
Electrical connection 28
Electrical connection U.K. 28
Installation 29
Location 29
Climate range 29
Ventilation 29
Installation 29
Aligning the appliance 29
Changing the door hinging 30

Description of the appliance



① Safety lock indicator light

② On/Off button

③ Temperature display

④ Temperature selector buttons (+ for warmer; – for colder)

⑤ Constant humidity (Dynamic cooling) button with indicator light

⑥ Alarm off button

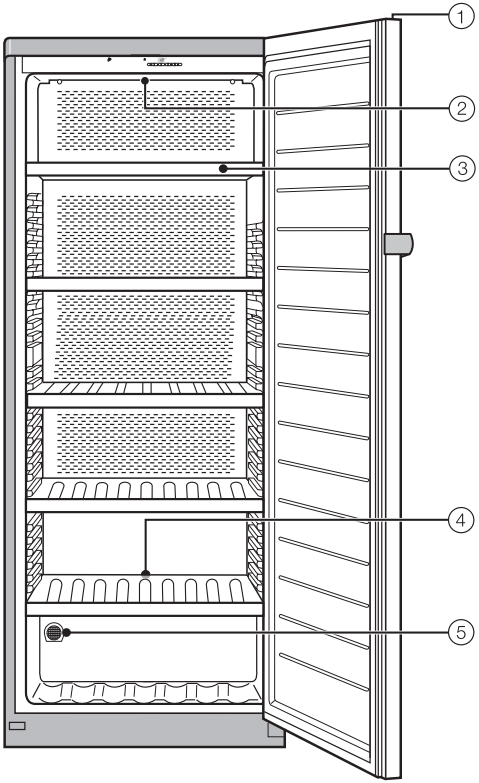
① Door lock

② Interior lighting

③ Wooden shelf with shelf edge trim for descriptive labels

④ Condensate channel and drain hole

⑤ Active charcoal filter



Miele@home

Optional accessory

The Miele@home system enables you to check information about your wine storage unit at any time.
For example, if a temperature alarm, power cut or other fault message occurs, this information will be relayed directly to the Miele@home system.

You will need a Miele@home master appliance (e.g. the Miele@home InfoControl) and your appliance must be fitted with Communication module (XKM 2000 KF) to benefit from this feature.

Please refer to the leaflet supplied with the Miele@home Communication module for details on how to install it and on how to sign it on to your Miele@home system.

The Miele@home master appliance is supplied with its own operating instructions.

Disposal of the packing material

The transport and protective packing has been selected from materials which are environmentally friendly for disposal, and can normally be recycled.

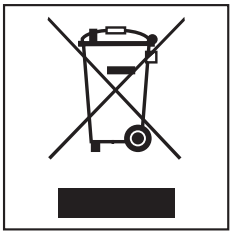
Ensure that any plastic wrappings, bags etc. are disposed of safely and kept out of the reach of babies and young children. Danger of suffocation!

Rather than just throwing these materials away, please ensure that they are recycled.

Disposal of your old appliance

Please ensure that the appliance presents no danger to children while being stored for disposal.

It should be unplugged or disconnected from the mains electricity supply by a competent person. The plug must be rendered useless and the cable cut off directly behind the appliance to prevent misuse. See the "Warning and Safety" section of this booklet for further details.



Electrical and electronic appliances often contain materials which, if handled or disposed of incorrectly, could be potentially hazardous to human health and to the environment. They are, however, essential for the correct functioning of your appliance.

Please dispose of your old appliance at your local community waste collection / recycling centre and not with your household waste.

Take care not to damage the pipework at the back of it before or during transportation to an authorised collection depot.
In this way, refrigerant in the pipework and oil in the compressor will be contained, and will not leak out into the environment.

This appliance complies with all relevant legal safety requirements. Improper use of the appliance can, however, present a risk of both personal injury and material damage.

To avoid the risk of accidents and damage to the appliance, please read these instructions carefully before installation and before using it for the first time. They contain important notes on the installation, safety, operation and care of the appliance.

Keep these instructions in a safe place and pass them on to any future user.

Correct usage

This appliance is intended for domestic use only for storing wine. Any other usage is not supported by the manufacturer and could be dangerous. The manufacturer cannot be held liable for damage resulting from incorrect or improper use or operation.

Technical safety

This appliance contains the coolant Isobutane (R600a), a natural gas which is environmentally friendly. It is, however, flammable and care must be taken during transportation and setting up of the appliance that no parts of the cooling system are damaged. Leaking coolant can damage the eyes.
In the event of any damage:
- avoid open fires and anything which creates a spark,
- disconnect from the mains,
- air the room in which the appliance is located for several minutes and
- contact the Service Department for advice.

The more coolant there is in an appliance, the larger the room it should be installed in. In the event of a leakage, if the appliance is in a small room, there is the danger of combustible gases building up.
For every 8 g of coolant at least 1 m^3 of room space is required. The amount of coolant in the appliance is stated on the data plate inside the appliance.

Before connecting the appliance to the mains supply, make sure that the rating on the data plate corresponds to the voltage and frequency of the household supply. This data must correspond in order to avoid the risk of damage to the appliance. If in any doubt, consult a qualified electrician.

The electrical safety of this appliance can only be guaranteed when continuity is complete between the appliance and an effective earthing system which complies with local and national safety regulations. It is most important that this basic safety requirement is present and tested regularly and where there is any doubt, the household wiring system should be inspected by a qualified electrician. The manufacturer cannot be held liable for damage or injury caused by the lack of or inadequacy of an effective earthing system (e.g. electric shock).

Safe operation of the appliance is only assured if it has been installed and connected in accordance with these operating and installation instructions.

This equipment may only be used in mobile installations such as ships, caravans, aircraft etc. if a risk assessment of the installation has been carried out by a suitably qualified engineer.

Installation work, maintenance and repairs may only be carried out by suitably qualified and competent persons in accordance with national and local safety regulations.
Repairs and other work by unqualified persons could be dangerous and the manufacturer will not be held liable.
Ensure current is not supplied to the appliance until after maintenance or repair work has been carried out.

The appliance is only completely isolated from the electricity supply when:

– it has been switched off at the wall socket and the plug has been withdrawn, or
– the fuse from the fused spur connection unit is withdrawn, or
– the mains fuse is withdrawn, or
– the screw-out fuse is removed (in countries where this is applicable).

Do not connect the appliance to the mains electricity supply by an extension lead.
Extension leads do not guarantee the required safety of the appliance (e.g. danger of overheating).

Use

Never store explosive materials in the appliance. Thermostats switching on may produce sparks which could present a fire hazard. Flammable compounds could explode.

Do not use any electrical equipment in this appliance. Danger of sparking and explosion!

Do not use any oils or grease on the door seal, as these will cause the seal to deteriorate and become porous with time.

Do not block the ventilation gaps in the appliance as this would impair the efficiency of the appliance, increase the electricity consumption and could cause damage to the appliance.

The appliance is designed for use within certain climate ranges (ambient temperatures), and should not be used outside this range. The climate range for your appliance is stated on the data plate inside the appliance. Installing it in a room with too low an ambient temperature, e.g. a garage, can lead to the appliance switching off for longer periods so that it cannot maintain the required temperature.

Do not use a steam-cleaning appliance to clean this appliance. Pressurised steam could reach the electrical components and cause a short circuit.

To avoid the danger of children accidentally locking themselves in the appliance, do not store the key for the door lock near the appliance and keep it out of the reach of children.

In countries where there are areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the appliance guarantee.

Disposal of your old appliance

Before disposing of an old appliance, first make the door latch or lock unusable.
This way you will prevent children from accidentally locking themselves in and endangering their lives.

Before disposing of an old appliance, unplug it and render the plug useless. Cut off the cable directly behind the appliance and at the plug to prevent misuse.

Be careful not to damage any part of the pipework whilst awaiting disposal, e.g. by

– puncturing the refrigerant channels in the evaporator.

– bending any pipework.

– scratching the surface coating.

Splashes of refrigerant can damage the eyes.

The manufacturer cannot be held liable for damage caused by non-compliance with these Warning and Safety instructions.

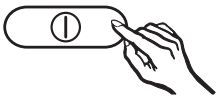
Before using for the first time

The stainless steel surfaces have a layer of protective foil to prevent scratching during transportation.

- Do not remove this foil until the appliance has been installed or built in. Start at one of the upper corners.
- Treat stainless steel surfaces with a conditioning agent for stainless steel, such as Neoblank (available from the Miele UK Spare Parts Department). Follow the manufacturer's instructions on the label.
- Clean the inside of the appliance and the accessories with warm water and a little washing-up liquid, and then dry with a soft cloth.

Important:
To ensure the correct functioning of the appliance, let it stand for between 1½ and 2 hours after transporting it to its final location before connecting it to the mains.

Switching on



- Press the On/Off button briefly until the temperature display lights up or flashes.

The appliance will start to cool, and the interior lighting will come on when the door is opened.

Switching off

- Press the On/Off button briefly until the temperature display becomes dark.

The temperature display will go out and the cooling process will be switched off. (If this does not happen, the safety lock is still activated).

Safety lock

The safety lock can be activated to prevent the appliance being switched off inadvertently.

Activating or de-activating the safety lock

- Press and hold the constant humidity button for approx. 5 seconds.

The constant humidity button indicator light will start flashing and a *c* will flash in the temperature display.

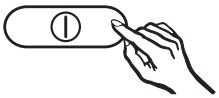
- Press the constant humidity button again.

c will light up constantly in the display.

- You can now choose between *c 0* and *c 1* by pressing the temperature selector buttons:
  0: the safety lock is de-activated,
  1: the safety lock is activated.

- Press the constant humidity button to save the setting.

The safety lock indicator light will light up when the safety lock has been activated.



- Press the On/Off button to come out of setting mode.

  If you do not do this, the electronics will revert to normal operation after 2 minutes.

Switching off for longer periods of time

If the appliance is not going to be used for a longer period of time, e.g. whilst on holiday,

- switch the appliance off,
- switch off at the wall socket and withdraw the plug,
- clean the appliance out and
- leave the door ajar to air the appliance.

If, during a long absence, the appliance is switched off but not cleaned out and the door is left shut there is a danger of mould and odours building up inside the appliance.

Wine keeps on maturing depending on the surrounding conditions. The length of time for which wine can be kept in good condition will therefore depend not only on the temperature but also on the air quality.

The wine storage unit with its constant ideal temperature, increased air humidity and odour free atmosphere offers the perfect conditions for storing your wine.

Temperature

Wine can be stored at a temperature between 5 °C and 18 °C. The optimum temperature is around 10-12 °C. Red and white wine can be stored together at this temperature and most white wines can be consumed at this temperature. It is best to take red wine out of the wine storage unit about two hours before drinking. Open the wine to allow it to breathe and to develop its aroma. After two hours, red wine will be at the correct temperature for drinking.

If wine is stored at a temperature above 22 °C it will mature too quickly. Wine should not be stored below 5 °C for a long period of time as it will not mature fully at this low temperature.

Fluctuations in temperature put wine under stress and interrupt the maturing process. It is therefore very important to maintain a constant temperature.

A constant temperature will be maintained in the appliance at an ambient room temperature of 8 to 43 °C. (This is a wider temperature range than the climate range quoted on the data plate).

Safety features

A thermostat prevents the temperature in the wine storage unit falling below 2 °C. If the external temperature should drop below this level, a heater element in the appliance switches on automatically to keep the temperature inside as constant as possible.

Setting the temperature

The temperature is set using the two buttons under the temperature display.

Press the

+ button : to increase the temperature (it gets warmer)

– button: to reduce the temperature (it gets colder)

The temperature being set will flash in the display.

When pressing the buttons, the following information shows in the display:

– When first pressed, the **last temperature selected** flashes.

– Each subsequent press of the button adjusts the temperature shown in 1 °C steps.

– Keeping the button pressed in adjusts the temperature continually.

Approx. 5 seconds after letting go of the button, the **current** temperature inside the appliance is automatically shown.

Temperature range

The temperature can be adjusted from 5 °C to 22 °C.

Temperature display

During normal operation, the temperature display on the control panel shows the temperature inside the appliance.

If the temperature in the appliance is not within the range that the appliance is able to display, only bars will light up in the temperature display.

Depending on the ambient temperature and the setting, it can take the appliance up to 8 hours to reach the temperature required and for this temperature to then be shown as a constant temperature in the display.

The **temperature display will flash** if

– a different temperature is being set,

– the temperature in the wine storage unit is too high or too low.

Temperature display brightness

The appliance is supplied with the brightness of the temperature display set as low as possible.

The level of brightness can be adjusted:

■ Press and hold the constant humidity button for approx. 5 seconds.

The constant humidity button indicator light will start flashing and a *c* will flash in the temperature display.

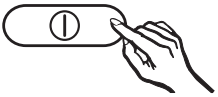
■ Press one of the temperature selector buttons repeatedly until *h* appears in the display.

■ Press the constant humidity button again.

h will light up constantly in the display.

■ You can now adjust the level of brightness by pressing the temperature selector buttons. You can choose from settings *1* to *5*:
1: lowest setting,
5: brightest setting.

■ Press the constant humidity button to save the setting.



- Press the On/Off button to come out of setting mode.

  If you do not do this, the electronics will revert automatically to normal operation after 2 minutes.

Humidity level

It is very important to store wine in an atmosphere with a high humidity level so that the corks remain moist on the outside. A refrigerator with its low humidity level is therefore not the best place to store wine. Low humidity causes corks to dry out from the outside, and so do not seal the bottles as tightly. Wine should be stored lying down to keep the corks moist from the inside too. Air entering the bottle will inevitably spoil the wine.

An ideal humidity level of up to 70 % will be maintained inside the appliance as long as the ambient room temperature is between 15°C and 35°C.

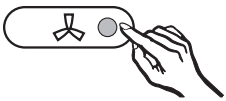
Useful tip: Before serving, stand the wine upright for at least two hours, or the entire day if possible, to allow any sediment to settle at the bottom of the bottle.

Constant humidity (Dynamic cooling) button

Dynamic cooling raises the relative humidity inside the wine storage unit and distributes the humidity and the temperature evenly around the interior so that you can store all your wine under the exactly the same excellent conditions.

Switching on Dynamic cooling

If you would like to use the wine storage unit to store wine long term, we recommend that you keep the Dynamic cooling function switched on. This will create a continuous climate in the cabinet which imitates that of a wine cellar.



- Press the constant humidity button . The indicator light will come on.

Even if Dynamic cooling has not been switched on, the fan in the appliance will come on automatically when the cooling system switches on to ensure your wine is kept in the optimum climate.

The fan automatically switches off when the door is open.

Switching off Dynamic cooling

The appliance uses slightly more energy and is a little noisier when the Dynamic cooling function is switched on. If you are storing your wine for the long term and so have Dynamic cooling switched on constantly, you can switch it off now and then if you like.

To switch it off, press the constant humidity button . The indicator light will go out.

Air filtering with the active charcoal filter

The active charcoal filter achieves optimum air quality by filtering the incoming air.

Fresh air from the outside enters the appliance via the active charcoal filter. The dynamic cooling system then distributes the air evenly throughout the cabinet.
Filtering the incoming air through the active charcoal filter ensures that all the air entering the appliance is fresh and free from dust and smells.
This in turn ensures your wine does not absorb any unwanted odours.

Replace the active charcoal filter with a new one once a year (see "Cleaning and care"). These are available from your Miele Dealer or the Miele Spare Parts Department.

Wooden shelves

Any vibration or movement of the bottle can affect the wine by interrupting the natural respiration process and so impair the taste.

As far as possible, store bottles of the same type of wine beside each other on the same shelf. Removing a bottle of one type will then leave the other types undisturbed and will avoid the need to move different bottles around.

The wooden shelves are removable and height-adjustable and can be arranged to suit your individual requirements.

Descriptive labels

Use the labels supplied to identify your wine quickly and easily.

- Insert the labels from above into the front of the shelves.

Additional labels can be purchased from your Miele Dealer or the Miele Spare Parts Department.

Maximum capacity

The following data was obtained using standard Bordeaux wine bottles (0.75 l) and the number of shelves supplied with the appliance.

– KWL 4712 S ed: up to 162 bottles

– KWL 4912 S ed: up to 187 bottles

Door lock

You can lock the door of the wine storage unit to prevent it being opened without your knowledge.

- Insert the key in the door lock.
- Press it down and turn it 90° until the door lock engages.
- Remove the key by pulling it upwards.

To unlock the appliance, carry out the procedure in the reverse order but turn the key in the opposite direction.

Alarm

Your appliance is fitted with a warning system which ensures that the temperature cannot rise or fall unnoticed and impair the wine.

Temperature alarm

The alarm will sound if the temperature in the appliance rises approx. 4 °C above or falls approx. 4 °C below the set temperature. The temperature display will flash at the same time.

The alarm will sound and the temperature display will flash:

– when you switch the appliance on, and for as long as the temperature differs as described above from the temperature set.

– if the door has been left open for a while in order to re-arrange or take wine bottles out and warm air has entered the appliance.

– if a large number of wine bottles are put into the storage unit at once.

– if there has been a lengthy interruption to the power supply.

Door alarm

The alarm will sound if the door is left open for more than approx. 3 minutes.

Activating the alarm system

The alarm system is always active. It does not have to be switched on manually.

Switching the alarm off early

Once the set temperature has been reached in the appliance, the alarm stops and the temperature display lights up constantly. However, if the noise disturbs you, you can switch the alarm off before this if you wish.

■ Press the Alarm off button.
The alarm will stop. The temperature display will continue to flash until the set temperature has been reached or the door has been shut again. The display then lights up constantly.

Condensate and frost can build up on the back wall of the appliance whilst it is in use. These are automatically removed and defrosted by the appliance.

The condensate is drained away via a channel and drain hole into an evaporation system at the back of the appliance.

Ensure that the condensate channel and drain hole are never blocked so that condensate can flow away without hindrance.

Never use cleaning agents containing abrasive substances such as sand, soda, acids or chemical solvents.
"Non-abrasive" cleaning agents are also unsuitable as they can cause matt areas to appear.

Stainless steel surfaces can be treated using a conditioning agent for stainless steel such as Neoblank (available for the Miele UK Spare Parts Department). Follow the manufacturer's instructions on the label.

Make sure that no water can penetrate into the electronic unit or into the lighting.

Do not let water get into the drainage channel and drain hole when cleaning.

Do not use steam cleaning apparatus to clean the appliance. Steam could reach the electrical components and cause a short circuit.

The data plate located inside the appliance must not be removed. It contains information which is required in the event of a service call.

Before cleaning

- Switch the appliance off at the wall socket and remove the plug.
- Take out any removable parts, e.g. shelves, for cleaning.

Cleaning the outer casing, the interior and accessories

Use warm water with a little washing up liquid. Accessories and shelves should all be hand-washed only.

- Clean the condensate channel and drain hole frequently, so that condensate can drain away unhindered. Use a straw or similar to clear the drain if necessary.
- Clean stainless steel surfaces with a suitable cleaning agent following the manufacturer's instructions on the packaging.
- After cleaning, wipe the interior and accessories with a damp cloth, and dry with a soft cloth. Leave the door open to air the appliance for a short while.

E-Cloth

- A microfibre "E-Cloth" is available from the Miele UK Spare Parts Department which is suitable for cleaning surfaces such as stainless steel, glass, plastic and chrome without the use of chemicals.

Ventilation gaps

- The ventilation gaps should be cleaned regularly with a brush or vacuum cleaner. A build-up of dust will increase the energy consumption of the appliance.

Door seal

Do not use any oils or grease on the door seal as these will cause the seal to deteriorate and become porous over time.

The door seal should be cleaned regularly with clean water and then wiped dry with a soft cloth.

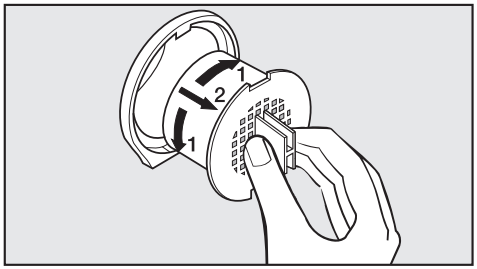
Metal grille at the back of the appliance

The metal grille at the back of the appliance (heat exchanger) should be dusted at least once a year. A build-up of dust will increase the energy consumption of the appliance.

When cleaning the grille, make sure that the pipework and other components do not get broken or damaged in any way.

Active charcoal filter

Replace the active charcoal filter with a new one once a year. Active charcoal filters are available from your Miele Dealer or the Miele Spare Parts Department.



- Turn the filter 90° clockwise or anti-clockwise.
- Remove the filter.
- Insert a new filter with the handle in the vertical position.
- Turn the filter 90° clockwise or anti-clockwise until it clicks into position.

After cleaning

- Replace all shelves and accessories in the appliance.
- Insert the plug in the socket and switch the appliance back on.

Repairs to electrical appliances should only be carried out by a suitably qualified and competent person in strict accordance with current local and national safety regulations. Repairs and other work by unqualified persons could be dangerous. The manufacturer cannot be held liable for unauthorised work.

Some minor problems can be corrected without contacting the Miele Service Department.

What to do if . . .

. . . the appliance does not get cool.

- Check whether the appliance has been switched on. The temperature display must be lit up.
- Check that the plug is correctly inserted in the socket and switched on.
- Check that the fuse is not defective and that the mains fuse has not blown. If it has, contact the Miele Service Department.

. . . the appliance is switching in too frequently and for too long.

- Check whether the ventilation gaps have been covered over or become dusty.
- Check whether the metal grille (heat exchanger) at the back of the appliance has become too dusty.
- The appliance door is being opened frequently.
- Check that the door has been closed properly.

. . . the alarm sounds and the temperature display flashes.

The temperature in the interior has risen higher or fallen lower than the temperature that has been set. This could be due to:

- the appliance door being opened too often.
- a blocked ventilation gap.
- a lengthy interruption to the power supply.

Once the problem has been resolved the temperature display will light up constantly and the alarm will stop.

. . . a bar is lit up or flashing in the temperature display.

Only temperatures within the range the appliance can display will be shown. If the temperature is not within this range, a bar will be displayed instead.

. . . "*F1*" appears in the temperature display.

There is a fault. Call the Miele Service Department.

. . . you cannot switch the appliance off.

The safety lock has been activated.

. . . the interior light is not working.

- Was the door left open for too long? The lighting switches itself off automatically after approx. 15 minutes.

If the door has been open for less than 15 minutes, then there is a fault.

Call the Miele Service Department.

Do not remove the light cover. Should the cover be damaged or need to be removed due to damage, **exercise caution.** There are lasers in the lighting (laser beam class 1M) which you should avoid looking at directly. Do not use optical instruments to look at the lighting either!

. . . mould has begun to form on the wine bottle lables.

Mould can begin to form on the labels, depending on the type of adhesive used.

- Wash the wine bottles and remove any adhesive residue.

If you still cannot remedy the fault having followed these suggestions, please contact the Miele Service Department.

To prevent unnecessary loss of temperature it is advisable not to open the door while waiting for the appliance to be serviced.

Noises

Normal noises	What causes them
Brrrrr...	Humming noise made by the motor (compressor). This noise can get louder for brief periods when the motor is switching on.
Blubb, blubb....	A gurgling noise can be heard when coolant is circulating through the pipes.
Click....	Clicking sounds are made when the thermostat switches the motor on and off.
Sssrrrrr....	On multi-zone and frost-free appliances you can sometimes just hear the movement of air circulating inside the appliance.

Remember that the noise of the compressor and the coolant circulating in the system is unavoidable.

Noises that you can easily rectify	What causes them, and what can you do about them?
Rattling, vibrating	**The appliance is uneven:** Realign the appliance using a spirit level, by raising or lowering the screw feet underneath the appliance.
	The appliance is touching another appliance or piece of furniture: Move it away.
	Drawers, baskets or shelves are unstable or sticking: Check all removable items and refit them correctly.
	Are any bottles or containers unstable or knocking against each other? Separate them.
	The transport cable clips are hanging loose at the back of the appliance: Remove the clips.

	Normal energy consumption	Increased energy consumption
Installation	In a ventilated room.	In an enclosed, unventilated room.
	Protected from direct sunlight.	In direct sunlight.
	Not situated near to a heat source (radiator, oven).	Situated near to a heat source (radiator, oven).
	Where the ideal ambient room temperature is approx. 20 °C.	Where there is a high ambient room temperature.
Temperature setting with a thermostat which is approximate (set in stages).	With a medium setting of 2 to 3.	With a high setting: The lower the temperature in the compartment, the higher the energy consumption.
Temperature setting with a thermostat which is exact to the degree (digital display).	Cellar section 8 to 12 °C	On appliances with winter setting, please make sure that the winter setting is switched off when the ambient temperature is warmer than 16 °C or 18 °C.
	Refrigerator section 4 to 5 °C	
	StayFresh zone just above 0 °C	
	Freezer section -18 °C	
	Wine storage section 10 to 12 °C	
Use	Only open the doors when necessary and for as short a time as possible.	Frequent opening of the doors for long periods will cause a loss of coldness.
	Store food in an organised way.	If food is not stored in an organised way, searching for an item will mean the door is open for longer.
	Allow hot food and drinks to cool down before placing them in the appliance.	Placing hot food in the appliance will cause the compressor to run for a long time, as the appliance will have to work harder to lower the temperature.
	Store food covered or packaged.	The evaporation or condensation of liquids will cause a loss of coldness in the refrigerator.
	Place frozen food in the refrigerator to defrost.	
	Do not over-fill the appliance to allow air to circulate.	

How to save energy

	Normal energy consumption	Increased energy consumption
Defrosting	Defrost the freezer when a layer of ice one centimetre thick has built up.	A layer of ice hinders the cold from reaching the frozen food, and causes an increase in energy consumption.

In the event of a fault which you cannot correct yourself, or if the appliance is under guarantee, please contact:

– Your Miele Dealer

or

– The Miele Service Department (see back cover for address).

When contacting your Dealer or the Service Department, please quote the model and serial number of your appliance. This information is given on the data plate.

Please note that telephone calls may be monitored and recorded for training purposes.

Electrical connection U.K.

All electrical work should be carried out by a suitably qualified and competent person in strict accordance with current local and national safety (BS 7671 in the UK).

The appliance is supplied with a mains cable and moulded plug ready for connection to an a.c. single phase 220-240 V 50 Hz supply.

The voltage and frequency are given on the data plate. Please ensure that these match the household mains supply. The fuse rating is quoted on the plug.

Connection should be made via a suitable switched socket which is easily accessible. For extra safety it is advisable to install a residual current device (RCD) with a trip current of 30 mA (in accordance with DIN VDE 0664, VDE 0100, Section 739).

Do not connect the appliance to the mains electricity supply by an extension lead. Extension leads do not guarantee the required safety of the appliance (e.g. danger of overheating).

The appliance must not be connected to an inverter and must not be used with a plug adapter as these can cause damage to the appliance's electronic unit.

Non-rewireable plugs (BS 1363)

The fuse cover must be re-fitted when changing the fuse, and if the fuse cover is lost, the plug must not be used until a suitable replacement is obtained. The colour of the correct replacement cover is that of the coloured insert in the base of the plug, or the colour that is embossed in words in the base of the plug (as applicable to the design of the plug fitted).

Replacement fuses should be ASTA approved to BS 1362 and have the correct rating. Replacement fuses and fuse covers may be purchased from your local electrical supplier.

WARNING
THIS APPLIANCE MUST BE EARTHED

Do not place any appliance which gives off heat, such as a toaster or microwave oven, on top of this appliance, as this would increase the appliance's energy consumption.

Location

The appliance should be installed in a dry, well-ventilated room.
The room temperature should not go above or below the climate range for which the appliance is designed. The higher the ambient temperature of the room, the more energy the appliance requires to operate.

It should not be installed where it is exposed to direct sunlight or directly adjacent to a heat-producing appliance such as an oven or a radiator.

Climate range

The climate range of the appliance is stated on the data plate inside the appliance.

Climate range	Ambient room temperature
SN	+10°C to +32°C
N	+16°C to +32°C
ST	+18°C to +38°C
T	+18°C to +43°C

This appliance can operate in a wider room temperature range than indicated by the climate range. A constant temperature will be maintained in the appliance at an ambient room temperature of 8 to 43 °C. It is important that the room temperature should be kept within this range.

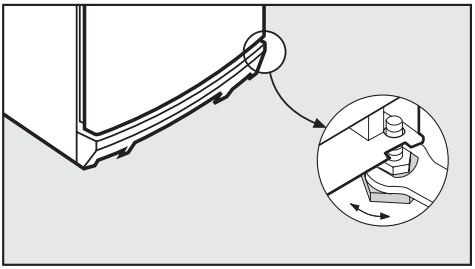
Ventilation

The appliance can be placed directly against a wall. To ensure sufficient ventilation, the ventilation gaps must not be covered over. The air inlet and outlet must not be covered or blocked in any way. They should be dusted on a regular basis.

Installation

- Remove any cable clips from the back of the appliance.
- Check that all parts at the back of the appliance are unhindered. Remove any hindrance.
- Carefully push the appliance into position.

Aligning the appliance



- To align the appliance adjust the feet using the spanner supplied.

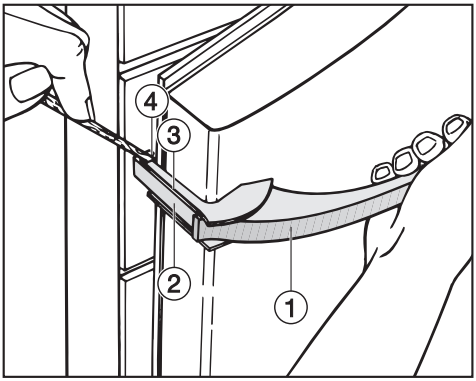
Changing the door hinging

The appliance is supplied right hand hinged. If left hand door hinging is required, follow the instructions below.

We recommend that the changing of the door hinging is carried out by a qualified kitchen fitter.
It is essential that the procedure is carried out by two people.

Removing the door handle:

First the side section of the handle must be removed:



- Pull door handle ① towards you. Side section ② slides back, creating a gap ④ between side section ② and mounting plate ③.
- Place a suitable object (e.g. a spoon handle) in gap ④, and slowly lever the handle towards the door.

Be careful not to let the "spoon handle" slip, causing damage to the appliance.

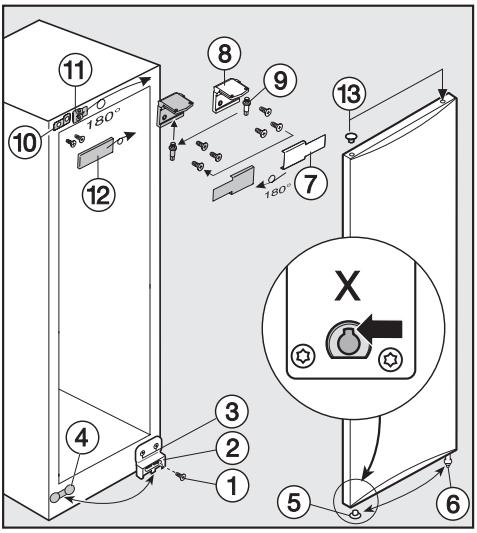
The side section ② can now be removed.

- Pull side section ② out of the guides on the mounting plate.
- Loosen the 4 screws (Torx 15) in the mounting plate, and remove the handle.
- Remove the cover caps from the opposite side, and fit them into the empty holes.

Changing over the door:

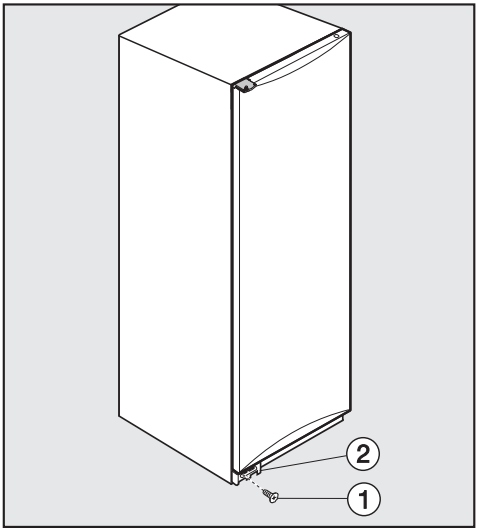
In the following illustration the door is not shown in the closed position to make it easier to see what happens next.

- Close the appliance door.
- If necessary unlock the door.



- Unscrew screw ① out of lower hinge bracket ②.
- Raise the door, open it outwards and remove it carefully.
- Remove cover ④. Unscrew the lower hinge bracket ③ and refit lower hinge bracket ② on the opposite side. Refit cover ④ on the opposite side.
- Remove cover cap ⑤ from underneath the door and and pull hinge pin ⑥ out from underneath the other side of the door.
- Now insert hinge pin ⑥ in the bearing bush on the opposite side of the door. Please note the shape of the notch in the bearing bush (insert x).
- Turn hinge pin ⑥ 90 ° until it is securely positioned in the bearing bush.
- Then refit cover cap ⑤ on the opposite side of the door.
- Remove cover ⑦ from the top of the appliance and unscrew hinge bracket ⑧.
- Insert hinge pin ⑨ in the second hole of hinge bracket ⑧.
- Refit brackets ⑩ and ⑪ as well as cover ⑫ turned through 180° on the opposite side.
- Screw hinge bracket ⑧ into the opposite side.
- Turn cover ⑦ through 180°, and fit it on the other side.
- Remove plug ⑬ from the top of the door and refit on the opposite side.
- Place the door on upper hinge pin ⑨.
- Swing the door slowly inwards so that lower hinge pin ⑥ fits into the guide on hinge bracket ②.

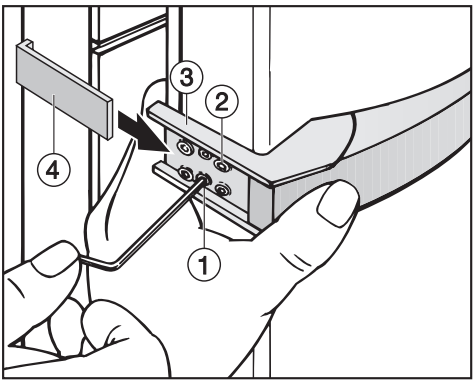
Changing the door hinging



- Close the door and align it both vertically and horizontally.
- Insert screw ① into the outer hole of hinge bracket ② and tighten to secure the hinge pin in the hinge bracket.

Refitting the handle:

Please make sure you follow the instructions below carefully when you refit the handle. The door seal will be damaged if the handle is fitted incorrectly.



- Loosely attach the handle to the opposite side of the door with the two front screws ②.

Mounting plate ③ must be positioned on the side of the door so that when the door is **closed it is flush with the side of the appliance.**
If this is not the case,

- tighten both grub screws ① with the allen key provided until mounting plate ③ lines up correctly.
- Then tighten all 4 fixing screws ②.
- Slide the side section of the handle ④ into the guides on the mounting plate until it clicks into place.

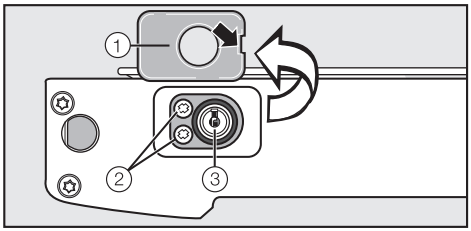
It is important to check that the side section of the handle ④ does not come into contact with the door seal when opening the door, as this would damage the door seal permanently.

If, after you have refitted the handle, you find that the side section does touch the door seal when the door is opened:

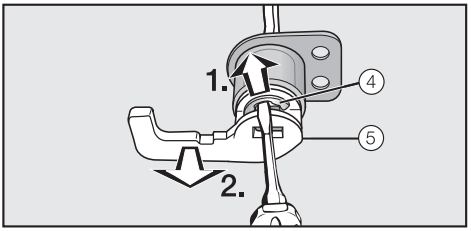
Realign mounting plate ③ with grub screws ① until the mounting plate and the side section of the handle ④ are at the correct angle and the side section does not touch the door seal when the door is opened.

Changing over the door lock

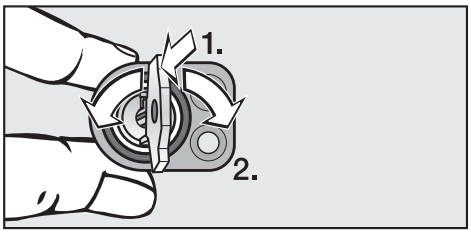
- Open the appliance door.
- Remove the key from the door lock.



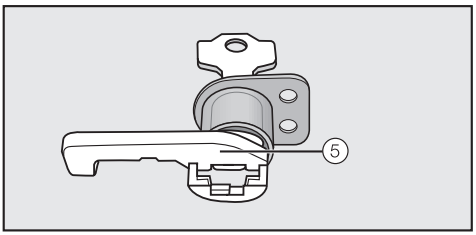
- Remove cover ① by inserting a flathead screwdriver into the notch in the cover (see arrow).
- Remove both screws ② from the lock mounting.
- Remove lock ③ together with the lock mounting. To do this you can insert the key in the lock and then use the key to pull out the lock.



- Place the lock in front of you as shown and use a flathead screwdriver to lever safety disc ④ upwards and out.
- Remove lock lever ⑤ from the lock.

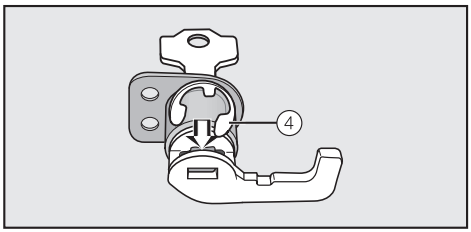


- Hold the lock mounting in your hand as shown.
- Press the lock down and turn it 90° as far as it will go.



- Replace lock lever ⑤ turned through 180 ° (as shown).

Changing the door hinging



- Slide in safety disc ④ as shown, until it clicks into position.
- Remove the cover from the opposite side of the door and refit it in the position the lock was previously.
- Insert the lock into its new position on the other side of the door.
- Screw the lock tightly into position and refit cover ①.

United Kingdom:
Miele Co. Ltd.
Fairacres, Marcham Road
Abingdon, Oxon, OX14 1TW
tel. Abingdon (01235) 554455
Service Office: (01235) 554466
fax (01235) 554477
Internet: www.miele.co.uk

Ireland:
Miele Ireland Ltd.
Broomhill Road, Tallaght, Dublin 24
Tel: (01) 46 10 710, Fax: (01) 46 10 797
Email: info@miele.ie
Internet: http://www.miele.ie

Australia:
Miele Australia Pty. Ltd.
A.C.N. 005635398
1 Gilbert Park Drive
Knoxfield, VIC 3180
Telephone: (03) 9764 7100
Fax: (03) 9764 7129
Internet: www.miele.com.au

Distributor New Zealand:
Steelfort Engineering Company. Ltd.
500 Rangitikei Street
Palmerston North, Priv. Bag 11045, NZ
Telephone: (06) 350 1350
Fax: (06) 356 1507

South Africa:
Miele (Pty) Ltd
63 Peter Place
Bryanston 2194
P.O. Box 69434
Bryanston 2021
Tel.: (011) 548 1900
Telefax (011) 548 1935
Internet: www.miele.co.za
E-mail: info@miele.co.za

Singapore:
Miele Southeast Asia
Miele Pte. Ltd.
163 Penang Road
04 - 02/03 Winsland House II
Singapore 238463
Tel : +65-67351191
Fax: +65-67351161
Email: infosea@miele.com.sg
Internet: www.miele.sg

Hong Kong:
Miele (Hong Kong) Limited
AIA Plaza, 24th Floor
18 Hysan Avenue
Causeway Bay
Hong Kong
Tel.: (852) 2610 1331
Fax: (852) 2610 1013
E-mail: mielehk@miele.com.hk

Alteration rights reserved / 1206

M.-Nr. 06 813 570 / 00
en - GB

KWL 4712 S ed, KWL 4912 S ed